

## **ARCHITECTURAL SPECIFICATIONS**

### **Netlinx Integrated Controller**

#### **NX-3200 (FG2106-03)**

#### **SUMMARY**

- Next Generation Netlinx Integrated Controller provides a scalable platform for the future by combining high performance, backward compatibility, and extensive network security features.

#### **ONBOARD MASTER REQUIREMENTS**

- Controller must have USB host port for upgrading firmware, loading code, copying configuration data, and remote storage. Controller without the USB host port and listed features will not be accepted.
- Controller must support flexible programming platforms such as Rapid Project Maker, Netlinx, and Java). Controllers lacking the flexibility of programming will not be accepted.
- Controller must have a minimum of 1600 MIPS. Controller without the minimum speed requirements will not be accepted.
- Controller must have status indicators. Controller without status indicators to indicate the system is communicating properly will not be accepted.

#### **MEMORY REQUIREMENTS**

- Controller must have a minimum of 1MB of non-volatile RAM. Controller without the minimum NVRAM will not be accepted.
- Controller must have a minimum of 1GB of available storage to the user. Controller without the minimum storage requirement will not be accepted.
- Controller must support external USB solid state drives for additional storage. Controllers without external USB support will not be supported.

#### **NETWORK REQUIREMENTS**

- Controller must have a minimum of one ICSLan ports enabling discrete networks and increased security. Controllers without an ICSLan port will not be accepted.
- Controller supports IPv6. Controllers without support of IPv6 will not be accepted.
- Controller supports 802.1x and HTTPS. Controller without support of advanced security integration.

## **CONTROL PORT REQUIREMENTS**

- Controller must have standardized port numbering throughout entire NX controller family. Controllers without standardized port numbering will not be accepted.
- Controller must provide real time feedback on serial and IR ports that are disconnected or improperly wired. Controllers without enhanced diagnostics for serial and IR ports will not be accepted.
- Controller must have a minimum of two AxLink communication ports. Controller without AxLink ports will not be accepted.
- Controller must have a minimum of two 10 position serial port. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of six 5 position serial port. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight 2 position infrared/serial ports. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight contact closure ports. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight relay ports. Controller not meeting the requirement will not be accepted.

## **PRODUCT IDs**

- The controller shall be manufactured by AMX and shall be NX-3200.

## **TECHNICAL SPECIFICATIONS**

### **DIMENSIONS**

- 1 3/4" x 17" x 9 1/8" (44.85 mm x 431.80 mm x 231.64 mm)

### **WEIGHT**

- 6.08 lb. (2.758 Kg)

### **REGULATORY COMPLIANCE**

- FCC CFR Title 47 Part 15
- CE EN 55022
- CE EN 55024
- CE EN 60950-1
- IEC 60950-1
- UL 60950-1
- C-Tick CISPR 22
- IC CISPR 22

- VCCI CISPR 22
- RoHS / WEEE compliant

### **INCLUDED ACCESSORIES**

- 2-pin 3.5 mm mini-Phoenix (female) PWR connector (41-0002-SA)
- 4-pin 3.5 mm mini-Phoenix (female) AxLink connector (41-5047)
- (2)10-pin 3.5mm mini-Phoenix female RS232/422/485 connectors (41-5107)
- (6) 5-pin 3.5mm mini-Phoenix female RS232 connectors (41-0336)
- (2) 6-pin 3.5 mm mini-Phoenix female I/O connector (41-5063)
- (2) 8-pin 3.5 mm mini-Phoenix female Relay connector (41-5083)
- (2) CC-NIRC IR Emitters
- (2) Removable rack ears

### **ACTIVE POWER REQUIREMENTS**

- Power Connector (1) 2-pin, 3.5mm Phoenix with retaining screws
- DC current Draw 400 mA @ 12 VDC
- Voltage DC Range 9 - 18 VDC
- Active Power Consumption 6.6W

### **ENVIRONMENTAL**

- Temperature (Operating) 0° C to 50° C (32° F to 122° F).
- Temperature (Storage) -10° C to 60° C (-14° F to 140° F).
- Humidity (Operating) 5% to 85%, non-condensing

#### **About AMX**

AMX hardware and software solutions simplify the implementation, maintenance, and use of technology to create effective environments. With the increasing number of technologies and operating platforms at work and home, AMX solves the complexity of managing this technology with reliable, consistent and scalable systems. Our award-winning products span control and automation, system-wide switching and audio/video signal distribution, digital signage and technology management. They are implemented worldwide in conference rooms, homes, classrooms, network operation / command centers, hotels, entertainment venues, broadcast facilities, and more. ©2014 AMX. All rights reserved.  
**Specifications subject to change. 17 June 2014.**

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